



National Nutrient Database for Standard Reference

Release 28 slightly revised May, 2016

Statistics Report 09153, Lemon juice from concentrate, canned or bottled

Report Date: June 30, 2017 12:02 EDT

Nutrient values and weights are for edible portion.

Nutrient	Unit	Value Per 100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Proximates													
Water ¹	g	93.64	18	0.079	93.2	94.2	10.0	93.464	93.819	1	Analytical or derived from analytical	--	03/2015
Energy	kcal	17	--	--	--	--	--	--	--	--	Calculated or imputed	--	03/2015
Energy	kJ	72	--	--	--	--	--	--	--	--	Calculated or imputed	--	03/2015
Protein ¹	g	0.45	18	0.018	0.31	0.55	12.0	0.409	0.486	1	Analytical or derived from analytical	--	03/2015
Total lipid (fat) ¹	g	0.07	18	0.000	0.07	0.07	--	--	--	1	Analytical or derived from analytical	--	03/2015
Ash ¹	g	0.22	18	0.025	0.07	0.36	8.0	0.165	0.277	1	Analytical or derived from analytical	--	03/2015
Carbohydrate, by difference	g	5.62	--	--	--	--	--	--	--	--	Calculated or imputed	--	03/2015
Fiber, total dietary ¹	g	0.7	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Sugars, total ¹	g	1.53	6	0.033	1.27	1.63	2.0	1.377	1.689	1	Analytical or derived from analytical	--	03/2015

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Sucrose 1	g	0.00	6	0.000	0	0	--	--	--	1	Analytical or derived from analytical	--	03/2015
Glucose (dextrose) 1	g	0.84	6	0.021	0.65	0.9	1.0	0.685	0.989	1	Analytical or derived from analytical	--	03/2015
Fructose 1	g	0.70	6	0.015	0.62	0.73	2.0	0.621	0.772	1	Analytical or derived from analytical	--	03/2015
Lactose 1	g	0.00	6	0.000	0	0	--	--	--	1	Analytical or derived from analytical	--	03/2015
Maltose 1	g	0.00	6	0.000	0	0	--	--	--	1	Analytical or derived from analytical	--	03/2015
Galactose 1	g	0.00	6	0.000	0	0	--	--	--	1	Analytical or derived from analytical	--	03/2015
Minerals													
Calcium, Ca 1	mg	10	18	0.484	7	15	11.0	8.712	10.838	1	Analytical or derived from analytical	--	03/2015
Iron, Fe 1	mg	0.06	18	0.004	0.04	0.09	13.0	0.05	0.066	1	Analytical or derived from analytical	--	03/2015
Magnesium, Mg 1	mg	7	18	0.158	6	8	12.0	6.19	6.88	1	Analytical or derived from analytical	--	03/2015
Phosphorus, P 1	mg	9	18	0.291	7	12	11.0	8.628	9.906	1	Analytical or derived from analytical	--	08/1982

Nutrient	Unit	Value Per 100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Potassium, K 1	mg	109	18	2.883	76	128	12.0	103.188	115.798	1	Analytical or derived from analytical	--	03/2015
Sodium, Na 1	mg	24	18	0.665	14	31	12.0	22.386	25.296	1	Analytical or derived from analytical	--	03/2015
Zinc, Zn 1	mg	0.19	18	0.039	0.03	0.51	8.0	0.098	0.278	1	Analytical or derived from analytical	--	03/2015
Copper, Cu 1	mg	0.018	18	0.001	0.01	0.03	13.0	0.016	0.02	1	Analytical or derived from analytical	--	03/2015
Manganese, Mn 1	mg	0.016	18	0.000	0.01	0.02	9.0	0.015	0.017	1	Analytical or derived from analytical	--	03/2015
Selenium, Se	µg	0.1	--	--	--	--	--	--	--	--	Calculated or imputed	--	12/1997
Vitamins													
Vitamin C, total ascorbic acid 1	mg	14.3	9	0.826	0	19.5	3.0	11.503	17.026	1	Analytical or derived from analytical	--	03/2015
Thiamin 1	mg	0.021	9	0.001	0.02	0.03	2.0	0.016	0.026	1	Analytical or derived from analytical	--	03/2015
Riboflavin 1	mg	0.017	9	0.001	0.01	0.02	4.0	0.014	0.019	1	Analytical or derived from analytical	--	03/2015
Niacin 1	mg	0.180	9	0.013	0.13	0.24	4.0	0.145	0.214	1	Analytical or derived from analytical	--	03/2015

Nutrient	Unit	Value Per 100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Pantothenic acid ¹	mg	0.080	6	0.004	0.06	0.1	2.0	0.063	0.098	1	Analytical or derived from analytical	--	03/2015
Vitamin B-6 ¹	mg	0.037	9	0.000	0.04	0.04	--	--	--	1	Analytical or derived from analytical	--	03/2015
Folate, total ¹	μg	9	9	0.202	4	12	4.0	8.661	9.807	1	Analytical or derived from analytical	--	03/2015
Folic acid	μg	0	--	--	--	--	--	--	--	--	Assumed zero	--	01/2001
Folate, food	μg	9	9	0.202	4	12	4.0	8.661	9.807	1	Analytical or derived from analytical	--	03/2015
Folate, DFE	μg	9	--	--	--	--	--	--	--	--	Calculated or imputed	--	03/2015
Choline, total	mg	5.1	--	--	--	--	--	--	--	--	Calculated or imputed	09160	02/2007
Vitamin B-12	μg	0.00	--	--	--	--	--	--	--	--	Assumed zero	--	08/1982
Vitamin B-12, added	μg	0.00	--	--	--	--	--	--	--	--	Assumed zero	--	09/2004
Vitamin A, RAE	μg	2	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Retinol	μg	0	--	--	--	--	--	--	--	--	Assumed zero	--	06/2002
Carotene, beta ¹	μg	0	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Carotene, alpha ¹	μg	0	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Cryptoxanthin, beta ¹	µg	40	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Vitamin A, IU	IU	33	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Lycopene ¹	µg	0	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Lutein + zeaxanthin ¹	µg	11	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Vitamin E (alpha-tocopherol) ¹	mg	0.23	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Vitamin E, added	mg	0.00	--	--	--	--	--	--	--	--	Assumed zero	--	09/2004
Tocopherol, beta ¹	mg	0.00	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Tocopherol, gamma ¹	mg	0.00	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Tocopherol, delta ¹	mg	0.00	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Vitamin D (D2 + D3)	µg	0.0	--	--	--	--	--	--	--	--	Assumed zero	--	11/2008
Vitamin D	IU	0	--	--	--	--	--	--	--	--	Assumed zero	--	02/2009

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Vitamin K (phylloquinone) ¹	µg	0.1	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Lipids													
Fatty acids, total saturated	g	0.027	--	--	--	--	--	--	--	--	Calculated or imputed	--	03/2015
4:0 ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
6:0 ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
8:0 ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
10:0 ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
12:0 ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
14:0 ¹	g	0.003	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
15:0 ¹	g	0.002	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
16:0 ¹	g	0.015	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
17:0 1	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:0 1	g	0.007	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
20:0 1	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
22:0 1	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
24:0 1	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
Fatty acids, total monounsaturated	g	0.006	--	--	--	--	--	--	--	--	Calculated or imputed	--	03/2015
14:1 1	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
15:1 1	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
16:1 undifferentiated 1	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
16:1 c 1	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
16:1 t ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
17:1 ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:1 undifferentiated ¹	g	0.006	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:1 c ¹	g	0.006	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:1 t ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
20:1 ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
22:1 undifferentiated ¹	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
22:1 c ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
22:1 t ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
24:1 c ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Fatty acids, total polyunsaturated	g	0.017	--	--	--	--	--	--	--	--	Calculated or imputed	--	03/2015
18:2 undifferentiated ¹	g	0.011	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:2 n-6 c,c ¹	g	0.011	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:2 CLAs ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:2 t not further defined ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:3 undifferentiated ¹	g	0.006	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:3 n-6 c,c,c ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:3i ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
18:4 ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
20:2 n-6 c,c ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
20:3 undifferentiated ¹	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
20:3 n-6 ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
20:4 undifferentiated ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
20:5 n-3 (EPA) ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
22:4 ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	03/2015
22:5 n-3 (DPA) ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
22:6 n-3 (DHA) ¹	g	0.000	1	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
Fatty acids, total trans	g	0.000	--	--	--	--	--	--	--	--	Calculated or imputed	--	03/2015
Fatty acids, total trans-monoenoic	g	0.000	--	--	--	--	--	--	--	--	Calculated or imputed	--	03/2015
Cholesterol	mg	0	--	--	--	--	--	--	--	--	Assumed zero	--	08/1982
Other													
Alcohol, ethyl	g	0.0	--	--	--	--	--	--	--	--	Assumed zero	--	04/1985
Caffeine	mg	0	--	--	--	--	--	--	--	--	Assumed zero	--	02/2003
Theobromine	mg	0	--	--	--	--	--	--	--	--	Assumed zero	--	02/2003

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Flavonoids													
Flavanones													
Eriodictyol ^{2 3}	mg	10.6	--	0.57	3.77	19.01	--	--	--	--	--	--	--
Hesperetin ^{2 3 4}	mg	13.4	--	0.95	0.7	20.63	--	--	--	--	--	--	--
Naringenin ⁴	mg	0.0	--	--	0	0	--	--	--	--	--	--	--
Flavones													
Luteolin ³	mg	1.8	--	0.34	0.7	3.02	--	--	--	--	--	--	--
Flavonols													
Quercetin ⁴	mg	0.0	--	--	0	0	--	--	--	--	--	--	--

Sources of Data

¹Nutrient Data Laboratory, ARS, USDA National Food and Nutrient Analysis Program Wave 18e, 2014 Beltsville MD

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³Marin, F.R., Martinez, M., Uribesalgo, T., Castillo, S., and Frutos, M.J. Changes in nutraceutical composition of lemon juices according to different industrial extraction systems, 2002 Food Chemistry 78 3 pp.319-324

⁴Belajová, E. and Suhaj, M. Determination of phenolic constituents in citrus juices: Method of high performance liquid chromatography., 2004 Food Chemistry 86 pp.339-343